

# ABSTRACT

An electrically powered, plunger-free, valve-free adjustable veterinary delivery system for the administration of veterinary pharmaceuticals or vaccines to a variety of poultry or livestock. The delivery system includes a rechargeable battery positioned to power an electric motor which is used to actuate a peristaltic pump that propels pre-determined quantity of fluid medicament through the system for delivery. The system teaches adjustable dosage control of the fluid medicament by means of an electronic control unit which uses photo-optic sensor to calibrate dosage. The veterinary delivery system includes several hand-held injection devices from which to choose, depending on desired use, each having a push-button trigger, at least one needle, a headlight, signal lights, optional dye marking means, and an optional mixing chamber for mixing medicaments at the time of delivery of the medicament, the hand-held injection devices being easily connected and disconnected by means of quick connect fluid couplers for being in fluid communication with the system and a nine-pin amp electrical connector for being in electronic communication with the control unit.